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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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|---|-----------------------------|---------------------------------------|----------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | Application Number | | 10/781,488 |
| | Filing Date | | 02/18/2004 |
| | First Named Inventor | | Hermann Tropsf |
| | Art Unit | | 2171 |
| | Examiner Name | | |
| Sheet 2 | of 3 | Attorney Docket Number BSSPT04 | |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| CDA | 4 | TROPF, et al., "Multidimensional Range Search in Dynamically Balanced Trees." Angewandte Informatik, Feb. 1981, pp. 71-77, Wiesbaden, Germany. | ✓ |
| CDA | 5 | ORENSTEIN, "Spatial Query Processing in an Object-Oriented Database System." ACM SIGMOD Intl. Conf. on Management of Data, 1986, pp. 326-336, Vol. 15, No. 2. | |
| CDA | 6 | MARKL, "MISTRAL: Processing Relational Queries Using a Multidimensional Access Technique." Doctoral Thesis, Techn. Univ. Munich, 1999, Germany. | ✓ |
| | 7 | MARKL, et al., "Universalschlüssel: Datenbankindexe in mehreren Dimensionen." c't 1/2001, pp. 174-179, Hannover, Germany. | |
| CDA | 8 | FALOUTSOS, "Multiattribute Hashing Using Gray Codes." ACM SIGMOD Intl. Conf. on Management of Data, 1986, pp. 227-238, Vol. 15, No. 2. | |
| CDA | 9 | LAWDER, et al., "Querying Multi-Dimensional Data Indexed Using the Hilbert Space-Filling Curve." ACM SIGMOD Record, 2001, pp. 19-24, Vol. 3, No. 1. | |
| CDA | 10 | LAWDER, "Calculation of Mappings Between One and n-Dimensional Values Using the Hilbert Space-Filling Curve." Technical Report no. JL1/00, 15 August 2000, pp. 1-13, | |
| | | www.Citeseer.com, accessed 07/08/2003. | |
| CDA | 11 | BUTZ, "Alternative Algorithm for Hilbert's Space-Filling Curve." IEEE Transactions on Computers, April 1971, pp. 424-426, Vol. 20. | |
| CDA | 12 | "Literature Collection of Tree Index." www.comp.nus.edu.sg/~liaojiro/tree.htm, accessed 04/06/2004. | |

No English
Translation

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|---------------------------|------------------|------------------------|---------|
| Examiner Signature | <i>CDA D. Am</i> | Date Considered | 6-30-06 |
|---------------------------|------------------|------------------------|---------|

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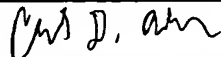
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|--------------------|-----------------------|---|----------------|
| | 13 | SAMET, "The Design and Analysis of Spatial Data Structures." Addison-Wesley Series in Computer Science, 1 Aug. 1989, | |
| CDA | 14 | GAEDE, et al., "Multidimensional Access Methods." ACM Computing Surveys, June 1998, pp. 170-231, Vol. 30, No. 2. | |
| CDA | 15 | RAMSAK, et al., "Integrating the UB-Tree into a Database System Kernel." Proc. of the 26th Intl. Conf. on Very Large Databases, 2000, pp. 263-272, Cairo, Egypt. | |
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